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(71) Applicant (for all designated States except US): **THE
GENERAL HOSPITAL CORPORATION** [US/US]; 55
Fruit Street, Boston, MA 02114 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CALVI, Laura**,
M. [US/US]; 78 Stoneleigh Court, Rochester, NY 14618
(US). **ADAMS, Gregor, B.** [US/US]; 20 Revere Street,
Boston, MA 02114 (US). **KRONENBERG, Henry, M.**
[US/US]; 48 Hastings Road, Belmont, MA 02478 (US).
SCADDEN, David, T. [US/US]; 62 Lexington Street,
Weston, MA 02498 (US).

(74) Agent: **KOWALSKI, Thomas, J.**; Frommer Lawrence &
Haug LLP, 745 Fifth Avenue, New York, NY 10151 (US).

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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: PARATHYROID HORMONE RECEPTOR ACTIVATION AND HEMATOPOIETIC PROGENITOR CELL EXPAN-
SION

(57) Abstract: The invention relates to methods for manipulating hematopoietic progenitor cells and related products. In one aspect the invention relates to the use of agents that activate a PTH/PTHrP receptor to enhance the growth and maintenance of hematopoietic progenitor cells *in vivo* and *in vitro*, to enhance mobilization of hematopoietic stem cells, to improve the efficiency of targeting cells to the bone marrow, and/or to modulate hematopoietic progenitor cell function.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/23425

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 39/38,00; A61K 35/26,28; C12N 5/00,02;

US CL : 424/184.1,278.1, 577; 435/325,375,

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FULLER, K et al., Induction of osteoclast formation. Journal of Endocrinology, 1998, Vol.158, No.3, pages 341-359	1-40
Y	LIU, B. et al., Conditionally immortalized murine bone marrow stromal cell . Endocrinology, 1998, Vol.139, No.4, pages 1952-1964	1-40
Y	TAICHMAN, R. et al., Hepatocyte growth factor is secreted by osteoblasts. British J of Haematology, 2001, Vol.112, NO.2, pages 438-448	1-40
Y	CALVI et al., Activated parathyroid hormone/parathyroid hormone-related protein. Journal of Clinical Investigation, 2001, Vol.107, No.3, pages 277-286	1-40
Y	TAICHMAN, R. et al., Human osteoblasts support human hematopoietic progenitor cells. Blood, 1996, Vol.87, No.2, pages 518-524	1-40
Y	WO 01/12785 A1 (UNIVERSITY OF ROCHESTER) 22 February 2001 (22.02.2001) see entire document, Abstract in particular.	1-40

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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Facsimile No. (703) 305-3230

Authorized officer

Valerie Bell-Harris
Michael A. Belyavsky

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

BIOSIS,CAPLUS,MEDLINE,EMBASE, USPATFULL,PCTFULL

Search terms: Calvi,L;Adams,G; Scadden,D, hematopoietic progenitor cell, parathyroid hormone related peptide receptor protein, PTH, PTHrP, administration, in vitro, in vivo